Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/08/2019 03:31 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124790	-1	2.07	124802	2.09
Blue	F	SSC	125000	123325	-2	3.55	124113	3.52
Blue	E	FITC	16694	16549	-1	3.67	385	22.15
Blue	D	PE	32792	32228	-2	2.92	712	16.61
Blue	B	PerCP-Cy5-5	44451	44171	-1	4.69	1213	23.48
Blue	A	PE-Cy7	33645	33716	0	7.33	617	49.66
Red	C	APC	47008	46887	-1	3.11	1815	13.72
Red	A	APC-Cy7	32298	32271	-1	2.90	807	14.31
Violet	B	V450	8961	8632	-4	4.54	479	15.42
Violet	A	V500	32726	31629	-4	4.28	761	11.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20679	5.25	611	-2	N/A	N/A	Pass
Blue	F	SSC	55969	3.17	583	15	N/A	N/A	Pass
Blue	E	FITC	63	72.41	569	6	0.0149	117	Pass
Blue	D	PE	140	57.74	573	7	0.1206	256	Pass
Blue	B	PerCP-Cy5-5	224	55.60	678	7	0.0069	15	Pass
Blue	A	PE-Cy7	118	126.02	734	8	0.0083	27	Pass
Red	C	APC	413	29.22	614	1	0.0181	112	Pass
Red	A	APC-Cy7	198	31.83	586	1	0.0044	836	Pass
Violet	B	V450	71	70.81	484	-2	0.0327	1674	Pass
Violet	A	V500	109	37.42	494	-2	0.0186	768	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.69	-32.12	1.06
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.57	13.60 - 20.40	N/A	N/A	28.95	29.65	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12994

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments